



1645
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: P.F. Coleman & I.K. Mushahwar

Serial No.: 09/821,877

Filed: March 30, 2001

For: A HEPATITIS B VIRUS SURFACE
ANTIGEN MUTANT AND
METHODS OF DETECTION
THEREOF

Attorney Docket No.: 6794.US.01

Group Art No.: 1645

Certificate of Mailing under 37 CFR §1.8(a):

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as First Class Mail addressed to:

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Date of Deposit: *Sept. 28, 2005*

Kathleen Boettcher
Kathleen Boettcher

TRANSMITTAL LETTER

Mail Stop Amendment
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Enclosed herewith is a Supplemental Information Disclosure Statement for P.F. Coleman & I.K. Mushahwar, for A HEPATITIS B VIRUS SURFACE ANTIGEN MUTANT AND METHODS OF DETECTION THEREOF, the specification of which was filed on March 30, 2001, and received Serial No. 09/821,877.

Also enclosed are: Form PTO 1449 (in duplicate) w/five (5) references
Copy of European Search Report dated
July 21, 2005 from EP 02731157.0
Return-receipt postcard

The Commissioner is hereby authorized to charge any additional Filing Fees required under 37 CFR 1.16, as well as any patent application processing fees under 37 CFR 1.17 associated with this communication for which full payment has not been tendered, to Deposit Account No. 01-0025. A duplicate copy of this sheet is enclosed.

Respectfully submitted,
P.F. Coleman & I.K. Mushahwar

ABBOTT LABORATORIES
Customer Number: 23492
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Cheryl L. Becker
Cheryl L. Becker
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Attorney for Applicants



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

The following information is submitted pursuant to 37 C.F.R. §1.97 and §1.98 in accordance with Applicants' duty of disclosure under 37 C.F.R. §1.56. This submission is not an admission that the documents cited herein are prior art as to the invention claimed. In accordance with 37 CFR §§1.97(g)-(h), the filing of this Supplemental Information Disclosure Statement shall not be construed to mean that a search has been made or that other material information as defined by 37 CFR §1.56(a) exists.

Applicants submit herewith Form PTO-1449 listing the references known to them. Applicants respectfully request that the Examiner (1) initial each reference listed on the enclosed Form PTO-1449 indicating that the Examiner has considered and made those references of record in this application and (2) return a copy of the initialed Form PTO 1449 to Applicants. Copies of the references are also enclosed.

Documents listed in this Supplemental Information Disclosure Statement were first cited in an European Search Report, dated July 21, 2005, issued in connection with counterpart European application No. 02731157.0. (A copy of the European Search Report is enclosed.)

This Supplemental Information Disclosure Statement is submitted after the first Office Action on the merits, but before the issuance of a final action or a notice of allowance. Authorization to charge Deposit Account No. 01-0025 in the amount necessary to cover the cost of this Supplemental Information Disclosure Statement under 37 C.F.R. 1.17(p) is provided in the Transmittal Letter, submitted herewith.

10/03/2005 CCHAU1 00000010 010025 09821877
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Attorney for Applicants

DATE: Sept. 28, 2005SHEET 1 of 1

Form PTO - 1449 (Modified)

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE
(Modified) PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

SERIAL NO.

6795.US.01

09/821,877

APPLICANT

P.F. Coleman & I.K. Mushahwar

FILING DATE

GROUP

March 30, 2001

1645

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use several sheets if necessary)



U.S. PATENT DOCUMENTS

EXAM. INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUB CLASS	FILING DATE

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLI- CATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUB CLASS	TRANSLATION	
							YES	NO
	B1	0 374 869	27.06.1990	EP				
	B2	0 919 568	02.06.1999	EP				

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

	C1	Coleman, P.F., <i>et al.</i> , "Innumoassay Detection of Hepatitis B Surface Antigen Mutants", <i>Journ of Med Virology</i> , 59 :19-24 (1999)
	C2	Norder, H., <i>et al.</i> , "Comparison of the amino acid sequences of nine different serotypes of hepatitis B surface antigen and genomic classification of the corresponding hepatitis B virus strains", <i>Journ of Gen Virology</i> , 73 :1201-1208 (1992)
	C3	Peterson, D.L., <i>et al.</i> , "Antigenic Structure of Hepatitis B Surface Antigen: Identification of the 'd' Subtype Determinant by Chemical Modification and Use of Monoclonal Antibodies", <i>The Journ of Immun</i> , 132 (2):920-927 (1984)
	C4	Qui, X., <i>et al.</i> , "Identification and Characterization of a C(D/R)TC Motif as a Common Epitope Present in All Subtypes of Hepatitis B Surface Antigen", <i>Journ of Immunol</i> , 156 (9):3350-3356 (1996)
	C5	Zhang, Y-Y, <i>et al.</i> , "Increasing Heterogeneity of the 'a' Determinant of HbsAg Found in the Presumed Late Phase of Chronic Hepatitis B Virus Infection", <i>Scand J Infec Dis</i> , 28 :9-15 (1996)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449)